

INTERNATIONAL SEARCH REPORT

Intern. Application No.
PCT/182004/052330

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02M3/335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 765 113 A (LOCKHART THOMAS WAYNE ET AL) 9 June 1998 (1998-06-09) abstract column 2, line 64 – column 3, line 9 column 6, lines 35-61 -----	1
A	GB 2 308 950 A (MATSUSHITA COMMUNICATION IND U) 9 July 1997 (1997-07-09) abstract page 2, lines 3-11 -----	1
A	EP 0 654 911 A (NOKIA MOBILE PHONES LTD) 24 May 1995 (1995-05-24) page 2, line 56 – page 3, line 16 figures 2,3 ----- -/-	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

30 December 2004

Date of mailing of the International search report

13/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/19551 A (CIRRUS LOGIC INC) 7 March 2002 (2002-03-07) cited in the application abstract -----	1

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Intern	Application No
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